

Impact modified, improved modulus and weld line, low emission

Hostaform® acetal copolymer grade S 9364 XAP®2 is a highly impact modified grade for demanding applications. Hostaform® S 9364 XAP®2 provides a significant improvement in impact strength and flexibility over standard impact modified grades such as Hostaform® S 9362 and S 9364, and also exhibits exceptional low emission performance meeting or exceeding the requirements of many automotive markets. Chemical abbreviation according to ISO 1043-1: POM-HI

#### Rheological properties

	cm³/10min ISO 1133 °C kg
Moulding shrinkage, parallel 1.6	•
Moulding shrinkage, normal 1.5	
Typical mechanical properties	
Tensile Modulus 1650	MPa ISO 527-1/-2
Yield stress, 50mm/min 43	MPa ISO 527-1/-2
Yield strain, 50mm/min 16	% ISO 527-1/-2
Flexural Modulus 1550	MPa ISO 178
Flexural Stress at 3.5% 42	MPa ISO 178
Charpy impact strength, 23°C NB	kJ/m <sup>2</sup> ISO 179/1eU
Charpy impact strength, -30°C NB	kJ/m² ISO 179/1eU
Charpy notched impact strength, 23°C 21	kJ/m <sup>2</sup> ISO 179/1eA
Charpy notched impact strength, -30°C	kJ/m <sup>2</sup> ISO 179/1eA
	kJ/m <sup>2</sup> ISO 180/1A
Izod notched impact strength, -40 °C 10	kJ/m <sup>2</sup> ISO 180/1A
Thermal properties	
Melting temperature, 10 °C/min 166	°C ISO 11357-1/-3
	°C ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa 140	°C ISO 75-1/-2
Vicat softening temperature, 50 °C/h, 50N 122	°C ISO 306
Coeff. of linear therm. expansion, parallel 120	E-6/K ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	E-6/K ISO 11359-1/-2
Other properties	
Humidity absorption, 2mm 0.25	% Sim. to ISO 62
Water absorption, 2mm 0.8	
•	kg/m <sup>3</sup> ISO 1183

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#### Injection

Drying Temperature 100 - 120 °C
Drying Time, Dehumidified Dryer 3 - 4 h
Max. mould temperature 60 - 70 °C
Back pressure 2 MPa
Injection speed slow

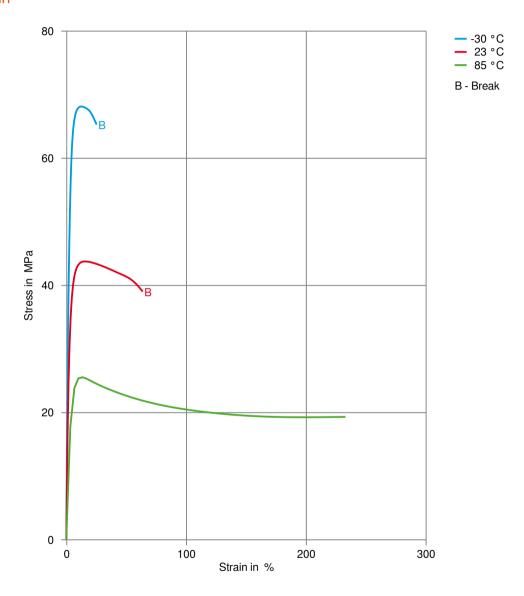
#### Characteristics

Additives Release agent

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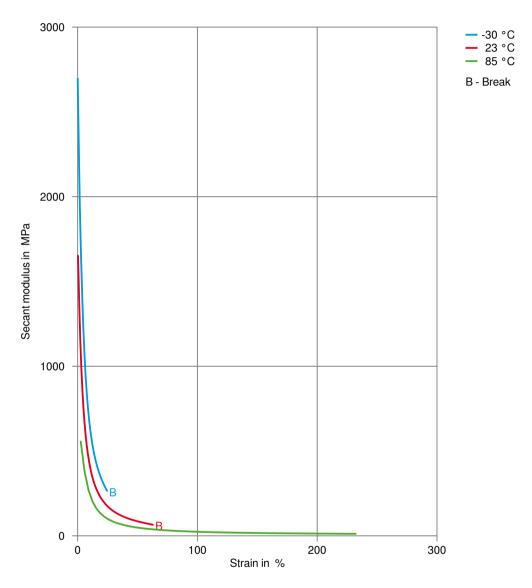
#### Stress-strain



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#### Secant modulus-strain



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#### **Processing Texts**

Pre-drying

Other Approvals

Other Approvals

Drying is suggested to help achieve low emission performance and to counter if material has contacted moisture through improper storage and handling.

OEM	Specification	Additional Information
BJEV	Q-BJEV 01.59	
Mercedes-Benz Group (Daimler)	DBL 5404	BQF
Mercedes-Benz Group (Daimler)	DBL 5410	
Ford	WSK-M4D618-A2	
Li Auto	Q/LiA5310020	2021 (V2)
Renault		No spec listed
SAIC Motor	SMTC 5 310 020	
VW Group	TL 522 77	
VW Group	VW50180	

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